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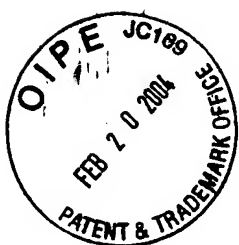
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TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>	Application Number	10/701,990	
	Filing Date	Novmeber 4, 2003	
	First Named Inventor	Marc K. HELLERSTEIN	
	Group Art Unit	1645	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	10 w/89 refs attached	Attorney Docket Number	416272005200

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement- 3 pgs <input checked="" type="checkbox"/> PTO-1449 - 6 pgs w/89 references attached <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below) RETURN RECEIPT POSTCARD
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PATENT
Docket No. 416272005200

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L.H. OLSEN

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Marc K. HELLERSTEIN

Serial No.: 10/701,990

Filing Date: November 4, 2003

For: DEUTERATED GLUCOSE OR FAT
TOLERANCE TESTS FOR HIGH-THROUGHPUT
MEASUREMENT OF THE METABOLISM OF
SUGARS OR FATTY ACIDS IN THE BODY

Examiner: Not Yet Assigned

Group Art Unit: 1645

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☒ **Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.**
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of * is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of * is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing **416272005200**. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: February 20, 2004

Respectfully submitted,

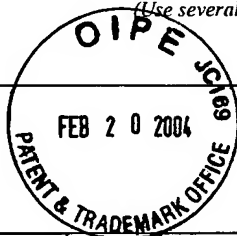
By: Michael R. Ward
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Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)



Docket Number 416272005200

Application Number 10/701,990

Applicant

Marc K. HELLERSTEIN

Filing Date 11/04/2003

Group Art Unit 1645

Mailing Date February 20, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	08/16/1994	5,338,686	Hellerstein			
	2.	06/08/1999	5,910,403	Hellerstein			
	3.	01/04/2000	6,010,846	Hellerstein			
	4.	10/08/2002	6,461,806	Hellerstein			
	5.	05/24/2002	20030068634 A1	Hellerstein			
	6.	10/23/2002	20030133871 A1	Hellerstein			
	7.	04/04/2003	20030224420 A1	Hellerstein			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
	8	11/19/1998	WO 98/51820	WIPO			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	9.	Airhart, J., A. Vidrich, and E. A. Khairallah. Compartmentation of free amino acids for protein synthesis in rat liver. <i>Biochem J</i> 140: 539-45, 1974.
	10.	Bonotto, S., I. Ndoite, G. Nuyts, E. Fagniat, and R. Kirchmon. Study of the distribution and biological effects of ³ H in the Algae <i>Acetabularia</i> , <i>Chlamydomonas</i> and <i>Porphyra</i> . <i>Curr Top Rad Quart</i> 12: 115-132, 1977.
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EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 416272005200	Application Number 10/701,990
		Applicant <div style="text-align: center;">Marc K. HELLERSTEIN</div>	
		Filing Date 11/04/2003	Group Art Unit 1645
		Mailing Date February 20, 2004	
		<i>Meeting Abstracts</i> 16: pp A256, 2002.	
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	Applicant Marc K. HELLERSTEIN	
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		Mailing Date February 20, 2004	
	51.	Deeks, Steven G. et al. "CD4+ T Cell Kinetics and Activation in Human Immunodeficiency Virus-Infected Patients Who Remain Viremic Despite Long-Term Treatment with Protease Inhibitor-Based Therapy." <i>The Journal of Infectious Diseases</i> 185:315-323, 2002.	
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	59.	Hellerstein, Marc K. et al. "Measurement of Hepatic R _a UDP-glucose in Vivo in Rats: Relation to Glycogen Deposition and Labeling Patterns." <i>The American Physiological Society</i> . pp E155-E162, 1997.	
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	61.	Hellerstein, Marc K. et al. et al. "Hepatic Gluconeogenic Fluxes and Glycogen Turnover During Fasting in Humans." <i>J. Clin. Invest.</i> 100, No. 5:1305-1319, 1997	
	62.	Dekker, Evelien et al. "Glucose Homeostasis in Children with Falciparum Malaria: Precursor Supply Limits Gluconeogenesis and Glucose Production." <i>Journal of Clinical Endocrinology and Metabolism</i> . 82, No. 8: 2514-2519, 1997.	
	63.	Macallan, Derek C. et al. "Measurement of Cell Proliferation by Labeling of DNA with Stable Isotope-Labeled Glucose: Studies in Vitro, in Animals, and in Humans." <i>Proc. Natl. Acad. Sci.</i> 95: 708-713, 1998.	
	64.	Bandsma, Robert H. J. et al. "Contribution of Newly Synthesized Cholesterol to Rat Plasma and Bile Determined by Mass Isotopomer distribution Analysis: Bile-Salt Flux Promotes Secretion of Newly Synthesized Cholesterol into Bile." <i>Biochem. J.</i> 329: 699-703, 1998.	
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65.	Hoh, Rebecca et al. "De Novo Lipogenesis Predicts Short-Term Body-Composition Response by Bioelectrical Impedance Analysis to Oral Nutritional Supplements in HIV-Associated Wasting." <i>Am. J. Clin. Nutr.</i> 68:154-163, 1998.
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72.	Parks, Elizabeth J. et al. "Effects of a Low-Fat, High-Carbohydrate Diet on VLDL-Triglyceride Assembly, Production, and Clearance." <i>J. Clin. Invest.</i> 104, No. 8:1087-1096, 1999.
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75.	Winett, Richard et al. "Exercise Regimens for Men With HIV." <i>Letters</i> . pp 175-181 & 2999
76.	Bandsma, Robert H. J. et al. "The Contribution of Newly Synthesized Cholesterol to Bile Salt Synthesis in Rats Quantified By Mass Isotopomer Distribution Analysis. <i>Biochimica et Biophysica Acta</i> 1483: 343-351, 2000.
77.	Hellerstein, Marc K. et al. "Measurement of T-Cell Kinetics: Recent Methodologic Advances." <i>Trends Immunology Today</i> . 20, No. 10: 438-441, 1999.
78.	Hellerstein, Marc K. et al. "Directly Measured Kinetics of Circulating T Lymphocytes in Normal and HIV-1-Infected Humans." <i>Nature Medicine</i> , 5, No. 1: 83-89, 1999.
79.	Bingham, SA (January 1994) "The use of 24-h urine samples and energy expenditure to validate dietary assessments" <i>American Journal of Clinical Nutrition</i> 59 (1 suppl): pages 227S-231S.
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81.	Misell, L. et al. "A new <i>in vivo</i> Stable Isotope Method for Measuring Mammary Epithelial Cell Proliferation." <i>Faseb Journal Experimental Biology</i> 2000 14(4): Meeting Abstract 550.5: pp A786.

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82.	Scott M. Turner et al. "Measurement of Triglyceride (TG) Synthesis in vivo $^2\text{H}_2\text{O}$ Incorporation into TG-Glycerol and Application of Mass Isotopomer Distribution Analysis (MIDA)." <i>Experimental Biology</i> 2002, 16: Meeting Abstract 361.9: pp A400.
83.	Fernando Antelo et al. "Adipose Triglyceride (TG) Turnover and de novo Lipogenesis (DNL) in Humans: Measurement by Long-Term $^2\text{H}_2\text{O}$ Labeling and Mass Isotopomer Distribution Analysis (MIDA)." <i>Experimental Biology</i> 2002, 16: Meeting Abstract 361.10: pp A400.
84.	J.C. Waterlow "Protein Turnover in the Whole Animal." <i>Invest. Cell Pathol.</i> , 3: 107-119 (1980).
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